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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/560,570	12/12/2005	Michael Josenhans	915-006.099	6653

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EXAMINER	
AKBAR, MUHAMMAD A	
ART UNIT	**PAPER NUMBER**
2618	

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01/10/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/560,570	JOSENHANS ET AL.	
	Examiner	Art Unit	
	Muhammad Akbar	2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after t he mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *03 December 2007*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3-6,8-14 and 16-21* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,3-6,8-14 and 16-21* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/03/2007 has been entered.

Response to Arguments

2. Applicant's remarks/ arguments with respect to claim(s) 12,13,14 and 17 have been fully considered but they are not persuasive.

Regarding amended claim 12,13,14,17, the Applicant's argues on page 10 that the Mager does not disclose or suggest a " means for processing within the mobile communication device cover, wherein said means for processing data is configured for processing signals between said display and a processor of any one of a plurality of mobile communication module to which the cover can be removably connected, as well as signals between said keyboard of the cover and the processor of any one of said plurality of mobile communication module." The Examiner respectfully disagrees.

In figures 3,5, Mager discloses a mobile electronics communication devices wherein uses interchangeable mobile device cover (100 of fig. 3) having a personalization unit (312 of fig.3) comprising controller (515 of fig.5) (i.e. processor)

wherein controller (515) processing data is configured for processing signals between display and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (521 of ifg.3,5), as well as signals between said keypad of the cover and the processor of any one of said plurality of mobile communication module upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para [0029], [0045], [0046], [0054]).

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claim(s) 1,3-6 and 8-11 are rejected under 35 U.S.C. 102(e) as being anticipated by Mager (U.S. Pub. No. 2003/0017839 A1).

Re claim 1, Mager discloses a mobile communication device with cover (see fig.1) comprising:

a keypad (142 of fig. 1);

a display (144 of fig. 1);

a cover controller (515 of fig. 5) connected to keypad via bus interface (521) (see fig.3,5);

a common Bus interface (521), for removably connection of cover processor 515) to a mobile communication module (138 of fig.3) and said bus interface is adapted to operate with a plurality of mobile communication modules (138) (see fig.1-11, para[0010],[0020],[0022],[0046]); and

wherein said cover controller (515 of fig.5) (i.e. processor) configured for processing signals between display (330) and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (521 of ifg.3,5), as well as signals between said keypad (333) and the processor (335) of any one of said plurality of mobile communication module (138) upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para[0029],[0045],[0046],[0054]).

Re claim 3,4, as discussed above with respect to claim 1, Mager further discloses cover further comprises a controller (515 of fig.5); and mobile communication device comprising power source (322 of fig.3).

Re claim 5, as discussed above with respect to claim 1, Mager further discloses exchangeable mobile communication device cover (100) further comprising universal asynchronous receiver/transmitter (URAT) device for receiving a communication module (see fig.5 and para[0030],[0046]).

Re claim 6, Mager discloses a mobile communication module having a communication network radio interface (324 o fig.3) coupled with transmitter/receiver (URAT, 520 of fig.5) for connecting a mobile communication network, and standardized interface (521) to connect said communication module to said cover (100) and having a keypad and a display and cover controller (515) (see fig. 1,2,3,5,7 and para[0023],[0025],[0045]);

and communication manager module (314) does not have display (see fig.5); wherein said cover controller (515 of fig.5) (i.e. processor) configured for processing signals between display (330) and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (521 of ifg.3,5), as well as signals between said keypad (333) and the processor (335) of any one of said plurality of mobile communication module (138) upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para[0029],[0045],[0046],[0054]).

Re claim 8,9,10 as discussed above with respect to claim 6, Mager further discloses a mobile telecommunication device module having a transmitter/receiver interface (520 of fig.5) (i.e. radio interface) which can be applied is a cellular phone interface or cordless interface networking connection (see fig.5, and para[0046]); and

Mager furthermore discloses mobile device comprising power source unit (322 o f fig.3) which is essentially supplying power to the communication device and having a minimal interface (314,324) to provide basic communication functionality (see fig. 3,5 and para [0031]).

Re claim 11, Mager discloses a mobile electronics communication devices comprising interchangeable mobile device cover (100 of fig. 1) having a keypad (333 of fig.3) and a display(330 of fig.3) which is a detachable from main body (see fig.1,para[0020]) and automatically enable electronics components (300 of fig.3) by hand shaking for its operation with various mobile communications module via interface (i.e. mobile communication devices having a detachable intelligent mobile communication device cover); and mobile communication device module further comprising:

a keypad (142 of fig. 1);

a display (144 of fig. 1);

a cover controller (515 of fig. 5) connected to keypad via bus interface (521) (see fig.3,5);

a common Bus interface (521), for removably connection of cover processor 515) to a mobile communication module (138 of fig.3) and said bus interface is adapted to operate with a plurality of mobile communication modules (138) (see fig.1-11, para[0010],[0020],[0022],[0046]); and

wherein said cover controller (515 of fig.5) (i.e. processor) configured for processing signals between display (330) and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (521 of ifg.3,5), as well as signals between said keypad (333) and the processor (335) of any one of said plurality of mobile communication module (138) upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para[0029],[0045],[0046],[0054]).

a mobile communication module (314 of fig.5) having a communication network transmitter/receiver (URAT,520 of fig.5) (i.e. radio interface) for connecting a mobile communication network and Bus interface (511) to connect said communication module to said cover (100) via bus interface (521 o fig.5) of the cover 6(see fig. 3,5 and para[0045],[0046]); and communication manager module (314) does not have display (see fig.5).

Re claim 12, Mager discloses a mobile electronics communication devices wherein uses interchangeable mobile device cover (100 of fig. 1) having a keypad (333 of fig.3) and a display(330 of fig.3) and cover processor (515 o fig.5) which is a

detachable from main body (see fig.1,para[0020]) and automatically enable electronics components (300 of fig.3) by hand shaking for its operation with various mobile communications module via interface (i.e. mobile communication devices having a detachable intelligent mobile communication device cover); and mobile communication device module further comprising:

key buttons for receiving input data (140 of fig. 1) at the cover (100), converting input data according to a specified protocol (modulated and demodulated) by the controller (515 of fig. 5) and transferring converted input data via bus (511 of fig.5) to the mobile communication module (138 of fig.3) wherein processed of transferred input data by the digital signal processor (DSP) (see fig.1-4,para[0032], [0033], 0045]); and

receiving display information from mobile communication device (520 of fig.5) and communicate said information to said cover processor (515) for presentation to said display (330) of said cover (100) by bus interface 511,521) of said cover (see fig.1,3,5 and para[0041],[0045],[0046]).

Re claim 13, as discussed above with respect to claim 12, Mager further discloses mobile communication module further comprises managing the output data and generating/receiving (output/input data) output data by the central processing unit (335 of fig.3) in the mobile communication module (138 of fig.3), converting output data according to a specified protocol (modulated and demodulated) by the digital signal processor (DSP 337 of fig. 3) and transferring converted output data via bus to the mobile communication interchangeable cover (100 of fig. 3) wherein processed of

received output data by the display unit (330,160 of fig.1,3) at the cover (see fig.1-5, para[0020], [0031]).

Re claim 14, as discussed above with respect to claim 12, Mager furthermore discloses mobile communication module comprises central processing unit (CPU) (335 of fig.3) that can execute software/firmware program and programming information (code) can be stored in the memory (336 of fig.3) which is accessible by CPU that can run the computer (see fig.1-5,para[0031]) [i.e. CPU can run the software and can stored program code in a computer readable medium which is performed all the steps in the claim 12].

Re claim 16, as discussed above with respect to claim 12, Mager further discloses a computer program software comprises commands or instruction (program code) and personalize information may downloadable from the remote server (see para[0027],[0037], [0052], claim 55).

Re claim 17, Mager discloses a mobile electronics communication devices wherein uses interchangeable mobile device cover (100 of fig. 1) comprising:

key buttons for receiving input data (140 of fig. 1),

displaying data at the display (330 of fig.3);

Converting (i.e. processing) input data according to a specified protocol (modulated and demodulated) by the controller (515 of fig.5) and transferring converted

input data via bus (511 of fig.5) to the mobile communication module (314 of fig.5) wherein processed of transferred input data by the digital signal processor (DSP) (i.e. adapted with plurality of communication module)(see fig.1-4,para[0032], [0033], 0045]);

Mager further controller (515) processing data is configured for processing signals between display and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) and cover (100) can be removably (detached) connected via bus interface (314 of ifg.3,5), as well as signals between said keypad of the cover and the processor of any one of said plurality of mobile communication module upon attaching/interchanging cover (100) with a mobile electronic communication device (138 of fig.3) (see fig.1,3,5,7 and para [0029], [0045],[0046],[0054]).

Re claim 18,19,20 and 21 as discussed above with respect to claim 1,6,11, 17, Mager further discloses controller (515 of fig.5) (i.e. processor) comprising separate display processor (se fig.5) configured for processing signals between display and a microprocessor (335 of fig.3) of any one of a plurality of mobile communication module (138 of fig.3) (see fig.1,3,5,7 and para [0029], [0045],[0046],[0054]).

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Muhammad Akbar whose telephone number is (571)-270-1218. The examiner can normally be reached on Monday- Thursday (7:30 A.M.-

5:00P.M). If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lana Le can be reached on 571-272-7891. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MA

1-07-08

LANA LE
PRIMARY EXAMINER